



QUALITY ASSURANCE PROCEDURES

DESIGN & CONSTRUCTION

PLANT ENGINEERING

P. Boyle

D&C DQAR

T. Smith

D&C MANAGER

D&C QA Proc. 036

Effective 5/15/87

Title: Construction Inspector

A. Purpose

To establish Construction Inspector's responsibility.

B. Scope

Applies to all D&C lump sum construction projects.

C. Policy

To provide sufficient field observation to guarantee construction work quality and safety.

D. Procedures

D.1 Lead Construction Inspector is responsible for:

D.1.1 Conducting pre-bid job site inspection tours for outside construction contractors.

D.1.2 Attending pre-bid and scheduling meetings.

D.1.3 Initiating Completion Certificates and transmitting to Construction Inspector.

D.1.4 Supplying construction contractor with shop drawings and installation instructions for BNL's prepurchased equipment.

- D.1.5 Arranging construction contractors orientation sessions to instruct Operations and Maintenance personnel in the functioning of newly installed systems.
- D.1.6 Assisting Construction Supervisor in preparation of Construction Contractor Evaluation Reports, Stop Work Notices and Lump Sum Construction Reports.
- D.2 Construction Inspectors are responsible for:
 - D.2.1 Ensuring construction contractors' labor, materials, and work procedures conform to contract documents.
 - D.2.2 Coordinating scheduling of work between construction contractor and BNL Operations and Maintenance groups.
 - D.2.3 Witnessing, and accepting contractors' performance tests.
 - D.2.4 Reviewing accuracy of "as-built" drawings with designer and turning drawings over to Construction Supervisor.
 - D.2.5 Expediting overdue prepurchased equipment.
 - D.2.6 Checking and accepting BNL prepurchased items, arranging for temporary storage or delivery to job site, and expediting overdue items.
 - D.2.7 Coordinating and reviewing field changes, change orders, and other contract documents modifications with Construction Supervisor.
 - D.2.8 Assisting Construction Supervisor in evaluation of Construction Schedules, Subcontractors and Schedule of Values.

- D.2.9 Signing D&C QA Proc. 036.2, Contractor's Completion Certificates and payment schedules.

E. Documentation

- E.1 Cognizant Construction Inspectors are responsible for preparing and maintaining the following:

- E.1.1 Construction Files for each contractor

- E.1.2 D&C QA Proc. 036.1, Pressure Test Record Form

- E.1.3 Purchase Order Files

- E.1.4 D&C QA Proc. 037.1, Daily Construction Report Form

F. Cross-References

- F.1 D&C QA Proc. 007 - Reports
- F.2 D&C QA Proc. 035 - Construction Supervisor
- F.3 D&C QA Proc. 037 - Daily Construction Reports
- F.4 D&C QA Proc. 039 - Stop Work Notices

PLANT ENGINEERING PRESSURE TEST RECORD

PROJECT: _____ **DATE:** _____
CONTRACTOR: _____ **JOB NO.:** _____
BLDG NO.: _____

SYSTEM TESTED: _____

OPERATING PRESSURE: _____ TEST PRESSURE: _____

TEST MEDIUM: _____ TEST DURATION: _____

GAUGE NO: _____

LEAKAGE NOTES: _____

REPAIRS REQUIRED: _____

RETEST OK: _____

TEST WITNESSED BY: _____

COMPLETION CERTIFICATE

P.O. or Contract No. Acceptance Date

Contractor

Work Description:

Account No. ILR No. Work Order No.

This is to certify that the work called for in the Purchase Order or Contract between AUI and the Contractor referred to above has been satisfactorily completed in accordance with the specifications and drawings and accepted by AUI on the date indicated above; that all the property of the U.S. Government, if any, used or procured by the Contractor in the performance of the Purchase Order or Contract referred to above has been either delivered to AUI in good condition or otherwise accounted for.

Copy to: Contract File

Administrator

Fiscal

Purchasing After

Final Invoice

Approval

Form 1344A

Authorized Signature

ARCH. STRUCT.	MECHANICAL
ELECTRICAL	OTHER
IF ANY OF THE ABOVE CATEGORIES ARE NOT INVOLVED, WRITE NONE AND INITIAL	